SILOS SPAIN

TECHNICAL DATASHEET 2024

ECI | Industrial Bucket Elevator

The **Industrial Bucket Elevator ECI** has been designed to bear the most demanding grain handling and transport conditions. Their construction with S350GD quality and Z-600 coated galvanized steel means they are extremely durable and allows them to work with a wide range of grains, seeds, legumes and pellets.


Head section


Intermediate section


Inspection section


Tensioning section

GENERAL CHARACTERISTICS	
• Direct transmission	• Inspection windows in the foot section
• Shrink disk	• Intermediate sections of 2 and 3 meters
• Inspection windows in the motor section	• Inspection section
• Regulation hatch	• Tensioning section covers
• Torque arm	• Easy to use pulley tensioner
• Top cover on the motor section	• Greaseproof belt
• Covering at the foot of the elevator	• High Density Polyethylene HDPE wear resistance material

STANDARD EQUIPMENT
• 45º / 60º / 90º inlet
• 45º / 90º outlet hopper
• Belt misalignment detectors
• Rotation sensor
• HDPE polyethylene buckets
• Anti-return brake

OPTIONAL EQUIPMENT
• Temperature sensor
• Metal buckets
• Stairs and maintenance platforms
• Dust aspiration
• Anti-explosion panels
• Ultra High Molecular Weight UHMW Polyethylene wear resistance material
• ATEX 21 or ATEX 22 certification

MODEL	CODE	Throughput (T/h)	Speed (m/s)	Bucket / m	Rows	Belt width (mm)	Pitch circle diameter (mm)
ECI 20	BEI 400/20	20	2,95	5,26	1	150	420
ECI 30	BEI400/30	30	2,95	8,3	1	150	420
ECI 40	BEI 430/40	40	2,4	6	1	180	430
ECI 50	BEI 430/50	50	2,4	7,5	1	180	430
ECI 60	BEI 430/60	60	2,4	8,5	1	180	430
ECI 75	BEI 530/75	75	2,4	5,5	1	260	530
ECI 100	BEI 530/100	100	2,4	7	1	260	530
ECI 120	BEI 630/120	120	2,9	5,5	1	310	630
ECI 150	BEI 630/150	150	2,9	4	1	350	630
ECI 175	BEI 630/175	175	2,9	4,5	1	350	630
ECI 200	BEI 630/200	200	2,9	5,5	1	350	630
ECI 250	BEI 730/250	250	3	4	1	500	730
ECI 300	BEI 730/300	300	3	4,75	1	500	730
ECI 350	BEI 730/350	350	3	5,55	1	500	730
ECI 400	BEI 900/400	400	3,1	5,88	2	650	900
ECI 500	BEI 1100/500	500	3,23	5,7	2	800	1100
ECI 600	BEI 1100/600	600	3	5	3	1300	1100

The specified values have been established using a material with a density of 0.75 T/m³as a reference.
The data show above are theoretical and may vary depending on the material and drive system selected.

Dimensions (mm)

MODEL	A	B	C	D	E	F	G	H	I	J	K	M
400	225	245	340	870	330	1040	200	2000	990	1250	200	320
430	260	220	350	880	430	1200	200	1800	1070	1190	200	300
530	300	320	450	1068	530	1400	250	1600	1270	1455	250	400
630	340	420	550	1248	630	1400	350	1600	1470	1700	350	500
730	404	572	552	1360	845	1500	420	1500	1606	1935	420	650
900	410	745	710	1600	850	1700	520	2000	2000	2500	550	940
1100A	370	950	930	1800	1060	2240	520	2000	2340	2700	550	1020
1100B	370	1450	930	1800	1740	2240	600	2000	2340	2700	600	1570

The dimensions specified are subject to change without prior notice.

